

and means for detecting said mass analyzed ions.

12. (New) An apparatus as set forth in claim 11 comprising means to control the time relationship between the time to raise said means for pulsing said ions transferred into said pulsing region to be able to perform said pulsing and said multipole ion guide pulse time controls the duty cycle of said analyzer.

13. (New) An apparatus as set forth in claim 11, wherein said ions in said multipole ion guide are scanned at a scan rate sufficiently rapid to prevent excessive charge buildup in said multipole ion guide.

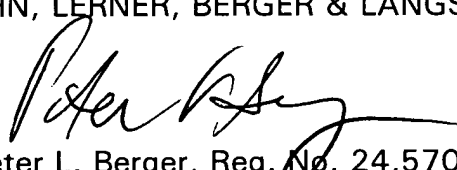
REMARKS

Entry of the above amendment is respectfully requested.

These new claims are believed patentable over all cited prior art and are materially changed from prior pending claims. The prior art fails to show, suggest or disclose the novel combination now presented.

Respectfully submitted,

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